```
chain nodes :
    14   15   16   17   18   19   20   21   22   23   28   29   30   32   33   34   37   38   39   42   44   45
    46   47   48   49   50   51   52   53   54   55   56   57   58   59   60   61   62   63   64   65   66   75
ring nodes :
     1    2    3    4    5    6    7    8    9   10   11   12
chain bonds :
    2-37    5-38   11-37   14-17   15-16   16-18   19-20   21-22   21-23   28-29   28-30   32-33   32-34
    38-39   39-42   39-44   39-75   45-46   46-47   48-49   48-50   51-52   52-53   52-54   55-56   56-57
    56-58   59-60   61-62   63-64   64-65   64-66
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   7-8   7-12   8-9   9-10   10-11   11-12
exact/norm bonds :
    2-37    5-38   11-37   28-29   28-30   32-33   32-34   38-39   39-44   39-75   45-46   46-47   48-49
    48-50   51-52   52-53   52-54   55-56   56-57   56-58   59-60   61-62   63-64   64-65   64-66
exact bonds :
    14-17   15-16   16-18   19-20   21-22   21-23   39-42
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   7-8   7-12   8-9   9-10   10-11   11-12
isolated ring systems :
    containing 1 : 7 :


G1:[*1],[*2],[*3],[*4],[*5],[*6]

G2:H,CH3,Et

G3:[*5],[*6],[*7],[*8],[*9],[*10],[*11],[*12],[*13]

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:Atom   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:CLASS   19:CLASS   20:CLASS   21:CLASS
    22:CLASS   23:CLASS   28:CLASS   29:CLASS   30:CLASS   32:CLASS   33:CLASS   34:CLASS   37:CLASS
    38:CLASS   39:CLASS   42:CLASS   44:CLASS   45:CLASS   46:CLASS   47:CLASS   48:CLASS   49:CLASS
    50:CLASS   51:CLASS   52:CLASS   53:CLASS   54:CLASS   55:CLASS   56:CLASS   57:CLASS   58:CLASS
    59:CLASS
```
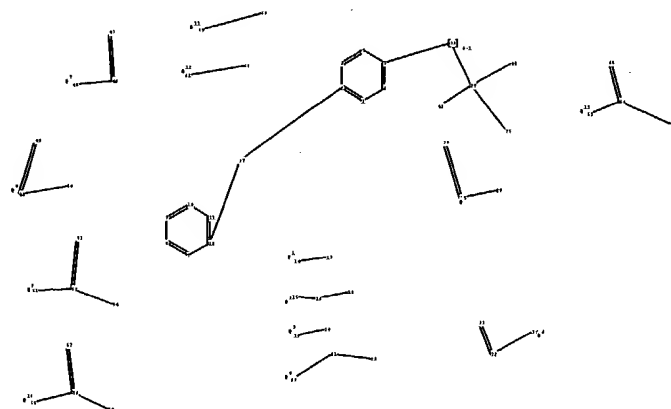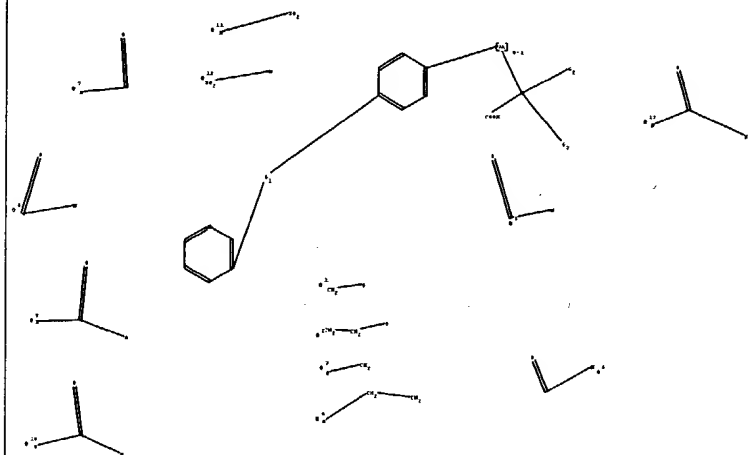
60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:CLASS 66:CLASS 75:CLASS

chain nodes :
    14   15   16   17   18   19   20   21   22   23   28   29   30   32   33   34   37   38   39   42   44   45
    46   47   48   49   50   51   52   53   54   55   56   57   58   59   60   61   62   63   64   65   66   75
ring nodes :
    1   2   3   4   5   6   7   8   9   10   11   12
chain bonds :
    2-37   5-38   12-37   14-17   15-16   16-18   19-20   21-22   21-23   28-29   28-30   32-33   32-34
    38-39   39-42   39-44   39-75   45-46   46-47   48-49   48-50   51-52   52-53   52-54   55-56   56-57
    56-58   59-60   61-62   63-64   64-65   64-66
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   7-8   7-12   8-9   9-10   10-11   11-12
exact/norm bonds :
    2-37   5-38   12-37   28-29   28-30   32-33   32-34   38-39   39-44   39-75   45-46   46-47   48-49
    48-50   51-52   52-53   52-54   55-56   56-57   56-58   59-60   61-62   63-64   64-65   64-66
exact bonds :
    14-17   15-16   16-18   19-20   21-22   21-23   39-42
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   7-8   7-12   8-9   9-10   10-11   11-12
isolated ring systems :
    containing 1 : 7 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]
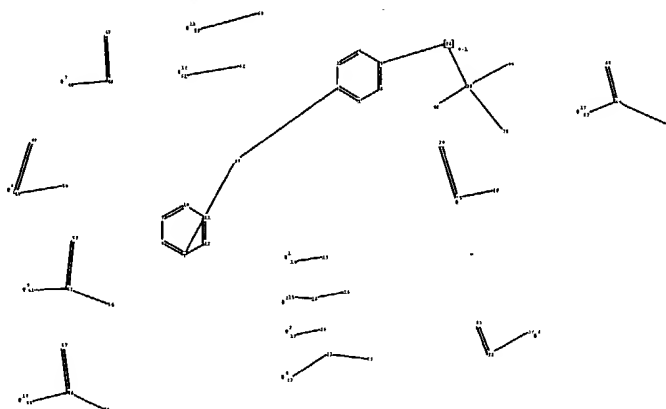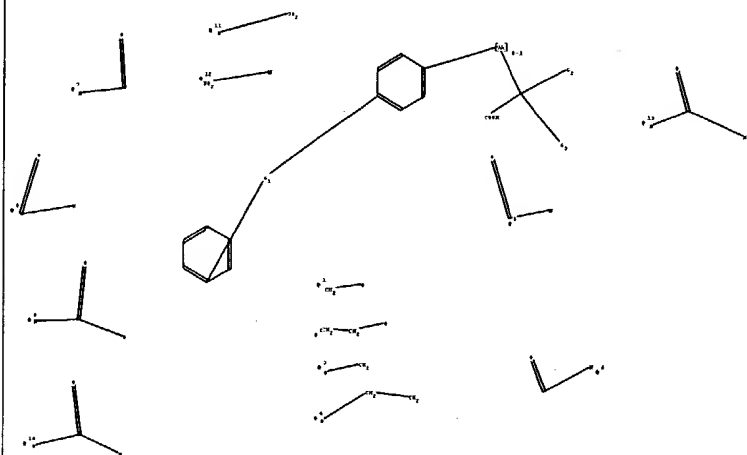
G2:H,CH3,Et

G3:[*5],[*6],[*7],[*8],[*9],[*10],[*11],[*12],[*13]

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:Atom   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:CLASS   19:CLASS   20:CLASS   21:CLASS
    22:CLASS   23:CLASS   28:CLASS   29:CLASS   30:CLASS   32:CLASS   33:CLASS   34:CLASS   37:CLASS
    38:CLASS   39:CLASS   42:CLASS   44:CLASS   45:CLASS   46:CLASS   47:CLASS   48:CLASS   49:CLASS
    50:CLASS   51:CLASS   52:CLASS   53:CLASS   54:CLASS   55:CLASS   56:CLASS   57:CLASS   58:CLASS
    59:CLASS

60:CLASS   61:CLASS   62:CLASS   63:CLASS   64:CLASS   65:CLASS   66:CLASS   75:CLASS

```
chain nodes :
    14  15  16  17  18  19  20  21  22  23  28  29  30  32  33  34  37  38  39  42  44  45
    46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  75
ring nodes :
    1   2   3   4   5   6   7   8   9   10  11  12
chain bonds :
    2-37   5-38   7-37   14-17   15-16   16-18   19-20   21-22   21-23   28-29   28-30   32-33   32-34
    38-39  39-42  39-44  39-75   45-46   46-47   48-49   48-50   51-52   52-53   52-54   55-56   56-57
    56-58  59-60  61-62  63-64   64-65   64-66
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   7-8   7-12   8-9   9-10   10-11   11-12
exact/norm bonds :
    2-37   5-38   7-37   28-29   28-30   32-33   32-34   38-39   39-44   39-75   45-46   46-47   48-49
    48-50  51-52  52-53  52-54   55-56   56-57   56-58   59-60   61-62   63-64   64-65   64-66
exact bonds :
    14-17  15-16  16-18  19-20   21-22   21-23   39-42
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   7-8   7-12   8-9   9-10   10-11   11-12
isolated ring systems :
    containing 1 : 7 :


G1:[*1],[*2],[*3],[*4],[*5],[*6]

G2:H,CH3,Et

G3:[*5],[*6],[*7],[*8],[*9],[*10],[*11],[*12],[*13]

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:Atom  14:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS  19:CLASS  20:CLASS  21:CLASS
    22:CLASS  23:CLASS  28:CLASS  29:CLASS  30:CLASS  32:CLASS  33:CLASS  34:CLASS  37:CLASS
    38:CLASS  39:CLASS  42:CLASS  44:CLASS  45:CLASS  46:CLASS  47:CLASS  48:CLASS  49:CLASS
    50:CLASS  51:CLASS  52:CLASS  53:CLASS  54:CLASS  55:CLASS  56:CLASS  57:CLASS  58:CLASS
    59:CLASS
```

60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:CLASS 66:CLASS 75:CLASS

60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:CLASS 66:CLASS 75:CLASS

```
=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY        SESSION
FULL ESTIMATED COST                               2.48         166.93


FILE 'REGISTRY' ENTERED AT 11:53:58 ON 12 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   11 AUG 2004   HIGHEST RN 725685-10-9
DICTIONARY FILE UPDATES:  11 AUG 2004   HIGHEST RN 725685-10-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
L5        STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5                STR

=> s l5
SAMPLE SEARCH INITIATED 11:55:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      44 TO ITERATE

100.0% PROCESSED       44 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE  **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS:         483 TO      1277
PROJECTED ANSWERS:              0 TO         0

L6             0 SEA SSS SAM L5

=> s l5 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 11:55:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    927 TO ITERATE

100.0% PROCESSED      927 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L7             0 SEA SSS FUL L5
```

h   eb c   g cg b   cg   eb

```
=>
L8        STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8                 STR

=> s l8
SAMPLE SEARCH INITIATED 11:56:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     43 TO ITERATE

100.0% PROCESSED      43 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           467 TO      1253
PROJECTED ANSWERS:                0 TO         0

L9             0 SEA SSS SAM L8

=> s l8 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 11:56:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    759 TO ITERATE

100.0% PROCESSED     759 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L10            0 SEA SSS FUL L8

=>
L11       STRUCTURE UPLOADED

=> d l11
L11 HAS NO ANSWERS
L11                STR

=> s l11
SAMPLE SEARCH INITIATED 11:57:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     44 TO ITERATE

100.0% PROCESSED      44 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           483 TO      1277
PROJECTED ANSWERS:                0 TO         0

L12            0 SEA SSS SAM L11

=> s l11 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 11:57:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1024 TO ITERATE

100.0% PROCESSED    1024 ITERATIONS                          0 ANSWERS
```

h   eb c   g cg b   cg   eb

SEARCH TIME: 00.00.01

L13   0 SEA SSS FUL L11

=> log y
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   467.94   634.87

STN INTERNATIONAL LOGOFF AT 11:58:11 ON 12 AUG 2004

h   eb c   g cg b   cg   eb